

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
)
Kenneth W. COWANS) Art Unit: 3747
)
Application No.: 10/694,770)
)
Filed : October 29, 2003)
)
For : HIGH EFFICIENCY ENGINE)
WITH VARIABLE COMPRESSION)
RATION AND CHARGE (VCRC)
ENGINE)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.97 (b) (1), the accompanying materials, as set forth on the enclosed forms PTO-1449, are brought to the attention of the Examiner.

In accordance with 37 CFR 1.98 (d) (1) and (d) (2), copies of these materials are not being submitted. The subject U.S. patent application is a division of prior application 09/995,674, filed November 29, 2001, and claims priority to that prior application. The Information Disclosure Statement and the Supplemental Information Disclosure Statement filed in that prior application both complied fully with paragraph (a) through (c) of 37 CFR 1.98. The various other references set forth on the enclosed PTO-1449 forms were cited by the Examiner during the prosecution of the parent application.

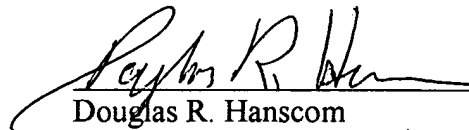
Entry of this Information Disclosure Statement into the file of the subject U.S. patent application and its consideration by the Examiner, is respectfully requested.

Respectfully submitted,

Kenneth W. COWANS
Applicant

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Reg. No. 26,600

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/694,770
Filing Date	October 29, 2003
First Named Inventor	Kenneth W. COWANS
Group Art Unit	3747
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		3,633,552		Ernest G. Huber	01/11/1972	
		3,741,175		Henri Andre Rouger	06/26/1973	
		3,805,752		Roy S. Cataldo	04/23/1974	
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FOREIGN PATENT DOCUMENTS

Examiner
Signature

Date	
Considered	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet <u>2</u>	of <u>4</u>														

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,987,863		Paul D. Daly	01/29/1991	
		5,115,775		David J. Gruenwald	05/26/1992	
		5,195,469		Ahmed Syed	03/23/1993	
		5,730,099		George T. Gillespie	03/24/1998	
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		6,125,801		Edward Charles Mendler	10/03/2000	
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		6,305,346		Minoru Ueda et al.	10/23/2001	
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		4,516,537		Nakahara et al.	05/14/1985	
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		4,860,711		Morikawa	08/1989	
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		4,715,347		Hampton et al.	12/1987	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Application Number	10/694,770
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Sheet	4	of	4												

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Ricardo, Sir Harry R.; The High-Speed Internal-Combustion Engine; pgs. 9, 107,102,104,105, 368, 369; "Blackie & Son Limited"; London and Glasgow	
		Should We Have A New Engine?; An Automobile Power Systems Evaluation; pgs. 10-3, 10-30; Vol. II Technical Reports; "Jet Propulsion Laboratory", California Institute of Technology	

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